

**HIDA**  
**2009 Summary Data for HAI Comparison Report**  
**Standardized Infection Ratio (SIR) for all Hospitals Reporting**

SIR Interpretation:

Statistically Lower than the Standard Population

Statistically Not Different from the Standard Population

Statistically Higher than the Standard Population

\* Small numbers of procedures of five or fewer are not reported to protect confidentiality. These hospitals are not included in the percentages, but are included in the total number of hospitals performing those procedures. Reports are preliminary until the follow-up periods for case finding have passed.

These are 30 days or one year (if implants were used).

<b>Surgical Procedures</b>	<b># Hospitals performing procedure</b>	<b>Total # Procedures</b>	<b>Total # Infections</b>	<b>% Lower SIR</b>	<b>% Not Different SIR</b>	<b>% Higher SIR</b>	<b>Comments*</b>
<b>Coronary Artery Bypass Graft (Chest and Donor Incision)</b>	16	5669	98	56%	44%	0%	N/A
<b>Coronary Artery Bypass Graft (Chest Incision)</b>	11	286	1	0%	100%	0%	* Two hospitals had too few procedures to include in statistical percentage
<b>Hysterectomy (Abdominal)</b>	51	8398	161	2%	90%	8%	Two hospitals had too few procedures to include in statistical percentage
<b>Hysterectomy (Vaginal)</b>	47	6542	47	0%	98%	2%	Two hospitals had too few procedures to include in statistical percentage
<b>Cholecystectomy (Gallbladder)</b>	59	7282	47	0%	98%	2%	Four hospitals had too few procedures to include in statistical percentage
<b>Hip Prosthesis -- Replacement</b>	53	5281	74	0%	98%	2%	Three hospitals had too few

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							procedures to include in statistical percentage
<b>Knee Prosthesis -- Replacement</b>	54	8287	71	0%	94%	6%	Six hospitals had too few procedures to include in statistical percentage

<b>Central Line Locations</b>	<b># Hospitals monitoring Locations</b>	<b>Total # Central Line Days</b>	<b>Total # Infections</b>	<b>% Lower SIR</b>	<b>% Not Different SIR</b>	<b>% Higher SIR</b>	<b>Comments</b>
<b>Medical-Surgical Critical Care Units</b>	42	67621	159	5%	85%	10%	Two hospitals had too few central line days to include in statistical percentage
<b>Medical Critical Care Unit</b>	11	20583	62	0%	91%	9%	N/A
<b>Pediatric Critical Care Unit</b>	5	4037	19	0%	80%	20%	N/A
<b>Surgical Critical Care Unit</b>	5	8102	16	20%	80%	0%	N/A
<b>Medical Inpatient Ward</b>	6	4877	17	0%	83%	17%	N/A
<b>Medical/Surgical Inpatient Ward</b>	29	12989	19	0%	96%	4%	Four hospitals had too few central line days to include in statistical percentage
<b>Surgical Inpatient Ward</b>	3	1163	3	0%	100%	0%	N/A
<b>Step-Down Unit</b>	5	1356	1	0%	100%	0%	One hospital had too few central line days to include in

Central Line Locations	# Hospitals monitoring Locations	Total # Central Line Days	Total # Infections	% Lower SIR	% Not Different SIR	% Higher SIR	Comments
							statistical percentage

### **2009 HAI Comparison:**

In the **2009 Summary Data for the HAI Comparison Report**, the majority of South Carolina hospitals are statistically “not different” from the standard population for most surgical procedures and hospital central line locations. The data are summarized here and presented for each hospital in the Surgical Site Infections and Central Line Associated Bloodstream Infections Reports.

**Surgical Procedures:** For the Coronary artery bypass graft (chest and donor incision), fifty-six (56%) percent of SC hospitals had lower (better) SIRs, forty-four (44%) percent were not different than the standard, and none were higher than the standard. For one other procedure (abdominal hysterectomy), 2% of the hospitals had lower SIRs. For five of the seven surgical procedures, 2% up to 8% of hospitals had a higher SIR than the standard. These higher SIRs were for gallbladder surgery, hysterectomy (abdominal and vaginal), and hip and knee replacement. Coronary artery bypass graft (chest and donor incision and chest only) were the two surgical procedures with no hospitals with an SIR above the standard.

**Central Line Associated Bloodstream Infections:** As expected, for the eight types of hospital locations reporting central line associated bloodstream infections, SIRs are generally higher in the critical care units than in the inpatient wards. Compared to the standard, the majority of locations are statistically **not** different. For two locations, Medical Surgical Critical Care (5%) and Surgical Critical Care (20%) of hospitals reported SIRs lower than standard. Five of the eight locations had SIRs higher than the standard for the following percentage of hospitals: Medical / Surgical Inpatient Wards (4%), Medical Critical Care (9%), Medical-Surgical Critical Care (10%), Medical Inpatient Ward (17%), and Pediatric Critical Care (20%).